

# Stephen Armen Joly

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## Education

**University of Toronto, St George** | *Toronto, ON, Canada*

**Sept 2015 - May 2020**

- **B.A.Sc.** in Chemical Engineering: Nanoscience and Molecular Engineering, *honours (fall 2019, winter 2020)*
- Minor in Advanced Manufacturing
- Certificate in Engineering Business
- Capstone Project: 50,000 ton per year plant design for mass production of a styrene-butyl acrylate-acrylic acid latex product outlined in US Patent 5,847,030

**Armenian Relief Society Day School** | *North York, ON, Canada*

**Sep 2000 - Jun 2015**

## Honors & Awards

**Viz Ambassadors Dashboard Hackathon 1st Place** | *Deloitte Canada*

**Dec 2023**

**Green Dot Award** | *Deloitte Canada*

**Nov 2022**

**Silver Dot Award** | *Deloitte Canada*

**Oct 2022**

**Annual Dean's Lists** | *University of Toronto*

**Fall 2019 - Winter 2020**

**Troost ILead Leaders of Tomorrow Award** | *University of Toronto*

**Apr 2020**

## Professional Experience

**Senior Consultant, Workforce Transformation** | **Deloitte Canada**

**Mar 2022 - Present**

*Toronto, ON, Canada*

- Managed cross-functional workstreams by coordinating efforts between junior team members and senior leaders, ensuring timely delivery of high-impact client deliverables while maintaining alignment on key decisions and project milestones.
- Led the development of 5+ advanced data models using Excel, Python, PowerQuery, Power BI, and Tableau to generate actionable insights and inform client strategy; collaborated with SMEs to incorporate leading practices, defined model specifications, and communicated complex findings to senior stakeholders.
- Developed multiple python based tools that utilized Generative Pre-trained Transformer (GPT) models and MS Azure to conduct basic inference and greatly optimize bottleneck processes common in core client service offerings. Managed solution development, socialization, testing, approval gathering, and re-deployment on multiple client engagements, realizing an estimated 250K in time savings.

**Consultant, Crisis and Resilience** | **Deloitte Canada**

**Sept 2020 - Jan 2022**

*Toronto, ON, Canada*

- Led and supported 8 complex client engagements by owning key workstreams, delivering high-quality executive reports and dashboards, and facilitating cross-functional collaboration; contributed to critical project assets including scenario testing frameworks, risk assessments, and remediation planning tools.
- Automated manual workflows using Python and VBA to streamline data consolidation, reporting, and computation tasks—saving 165+ project hours across initiatives—and developed scalable Excel-based resiliency and business impact
- assessment tools adopted by 60+ business units.

**Analyst, Regulatory Risk and Compliance** | **Deloitte Canada**

**May 2018 - Apr 2019**

*Toronto, ON, Canada*

- Developed 30+ data visualizations and deliverables—including Tableau dashboards, compliance maps, Gantt charts, and business architecture flowcharts—for multiple workstreams across \$3MM+ in projects for large Canadian financial institutions.
- Supported regulatory, risk, and transformation initiatives by analyzing 200+ compliance issues, auditing 150+ government documents, synthesizing regulatory interpretations into tailored compliance manuals, and facilitating stakeholder engagement in cross-functional environments.

**Process Analyst, Business Process Improvement Office** | **HomeEquity Bank**

**May 2017 - Aug 2017**

*Toronto, ON, Canada*

- Designed and implemented a Quality Assurance program using Excel and VBA, improving data reporting capabilities and expediting task timelines by 15%, resulting in approximately 180 hours saved per quarter.
- Streamlined daily operational reporting by automating Excel-based reports and consolidating key metrics into a user-friendly dashboard, reducing task duration by 57% and saving over 25 hours per quarter.

## Community Leadership

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### Lead Campus Experience Officer President | University of Toronto

Aug 2019 - May 2020

Toronto, ON, Canada

- Developed organizational structure for a team of 12 student leaders – synthesizing functional groups to support execution of mandate with respect to marketing, event planning, financial, and logistical operations
- Produced thorough report using MS Powerpoint to provide an overview of the pilot program's performance for review by the Dean's Strategic Fund committee; including content relating to program outreach, financial analysis, overview of strategic decisions, and feedback from mentors for future terms.

### Chapter President | Phi Gamma Delta Fraternity, Tau Kappa Chapter

Mar 2018 - Mar 2019

Toronto, ON, Canada

- Lead chapter of 30 members to organize and execute 50+ events throughout the academic year to raise a total of \$10,000+ in revenue for chapter functions and 700+ service hours
- Met with Board of Chapter Advisors bi-monthly to give a holistic opinion on the state of the chapter and request assistance/resources from Board members when needed
- Liaised with Building Association monthly to ensure the \$3MM+ property (chapter house) was being managed properly by the chapter according to city regulation and reported all significant issues with the asset for remediation

## Service and Volunteer

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### Operations Associate | Your Next Career Network

Apr 2019 - May 2020

### Peer Mentor | Chemical Engineering Mentorship Program

Sept 2017 - May 2020

### Outreach Volunteer | University of Toronto Engineering Outreach Office

Sept 2016 - May 2019

### Industry Tour Chairman | Sustainable Engineering Association

Sept 2017 - May 2018

### Lead, First Year Outreach | University of Toronto Armenian Student Association

Sept 2017 - May 2018

## Research Experience

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### Undergraduate Research Assistant

May 2020 - Aug 2020

*Troost Institute for Leadership Education in Engineering, University of Toronto, Supervisor: Dr. Emily Moore*

Stephen was hired by Dr. Emily Moore to join her in researching the broad topic of "Motivation in Teams" in the Engineering Education (EngEd) space, where he scoped the project to focus on targeted interventions across disciplines, reviewed 40+ academic papers in engineering education, psychology, and organizational behaviour, identified a novel principle to help institutions reduce conflict and promote mindfulness in team settings, and presented key findings at the annual Undergraduate Engineering Research Day (UnERD).